

THE COLLEGE OF BUSINESS AND INFORMATION SYSTEMS NEWSLETTER

DAKOTA STATE UNIVERSITY



SPRING 2021

A MESSAGE FROM THE DEAN

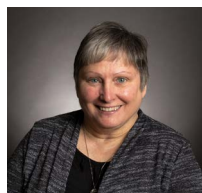
As we come to the end of the Spring 2021 semester, I have to say that it was nice to have life return to somewhat a more “normal” status! Many of the faculty and students took advantage of Covid vaccinations available, and we saw more in-person classes and events happening.

I was excited to participate in meetings and discussions to move forward in plans for the [DSU-Sanford Health CyberHealth Strategic Alliance](#). As part of a subcommittee related to training and education, I met with others from DSU and Sanford Health to discuss opportunities to develop and grow a strong workforce with skills in health IT, project management, analytics, and more. We are exploring topics such as certifications, research capabilities, recruitment, and content delivery.

It is important that we maintain a dynamic curriculum for the College of BIS, and that was also a focus of this Spring semester. In this newsletter, you can read about advances we have made in the area of artificial intelligence education and additional offerings through articulations and fast-track programs. Plans are in the works to develop associate degrees in project management and business analytics which will stack into our BS in Computer Information Systems program and we will be evaluating our professional accountancy curriculum to ensure that it will prepare students to become CPAs after graduation.

In April, the faculty and staff housed in East Hall had a return to working virtually, as the building was closed for renovations. Classes that were scheduled for East Hall were moved to online or other locations on campus to finish out the semester. The beautiful historic building will be reopening for the Fall semester with a new look inside, and I anticipate that we will be hosting an open house event to showcase the changes. (Perhaps we will be looking for donors who are interested in naming the auditorium or conference room...hint, hint 😊)

As always, I invite you to enjoy our College of BIS newsletters (past issues are posted on the [Beadle Scholar](#) website) and I welcome any comments, suggestions, or questions you may have.



Take care,

Dr. Dorine Bennett

Dr. Dorine Bennett

SPRING 2021

HELLO FROM THE COLLEGE OF BIS

FACULTY RETIREMENT



Parks Retires from DSU

Faculty member, Linda Parks, retired from DSU at the end of the Spring 2021 semester. Linda began her career at DSU in 2010 as an Assistant Professor for the Health Information Management (HIM) Programs and was later promoted to Associate Professor. She has touched the lives of many students as they learned to code diagnoses and procedures, use computer assisted coding software, understand diseases, calculate healthcare statistics, manage employees, lead key health information management functions, monitor revenue cycles in healthcare organizations, and other topics pertinent to HIM professionals. The depth and breadth of her teaching skills and expertise in the health information management field are held by few. Her knowledge and experience helped the HIM Program to hold accreditation status of the associate, bachelors and master's programs; a feat that only one other university in the US has accomplished.

Linda has served in many voluntary roles for her profession including serving as the Director of Education for the South Dakota Health Information Management Association and serving as a national peer reviewer for Coding Certificate educational programs approved by the American Health Information Management Association. She has also been a huge asset on the HIM Program advisory boards, MSHIIM Program Admission Committee, and various other committees during her tenure at DSU.

Linda has been a contributor to the successful HIM programs at DSU over the past 10 years. She has completed several textbook reviews, authored an instructor manual for a textbook, authored a continuing education course, and completed several presentations. Linda also led a faculty research initiative and participated in several other research projects.

We wish Linda well in her retirement and thanking her for many years of dedication to the education of HIM students at DSU. We congratulate her on her appointment as Associate Professor Emeritus!

CURRICULUM

Artificial Intelligence

The College of BIS will begin offering a new graduate course, INFS 784 Artificial Intelligence Applications. This course addresses concepts, techniques, and applications of Artificial Intelligence. Students will learn what Artificial Intelligence (AI) is, explore use cases and applications of AI, understand core AI concepts and technologies such as machine learning, neural networks, and deep learning, and learn to use these technologies to solve real-world business problems.

The South Dakota Board of Regents approved the College of BIS's curriculum proposal to plan the BS in Artificial Intelligence for Organizations. This program is designed for students who are fully dedicated to studying AI applications and solutions in an organizational context. Students who choose this pathway focus on what AI is, how it's used in businesses and organizations, and how to develop skills for applying AI tools and methods in a variety of industries. They'll also concentrate on addressing organizational needs, as well as managing and working on AI-driven projects, and combining the ubiquity of data and the automation of business processes in organizations. Plans include three new courses: BADM 201 Fundamentals of AI in Organizations, CIS 378 Applied Artificial Intelligence, and CIS 470 Strategy & Application of AI in Organizations.

It is anticipated that the program will begin accepting students in the Fall 2021 semester. For more information, you may visit articles found at

<https://dsu.edu/news/2021/03/ai-degrees-coming-to-dsu.html>

<https://www.siouxfalls.business/dsu-welcomes-new-degrees-in-artificial-intelligence/>



Fast Track Programs

During the Spring semester, the College of BIS developed and gained approval for additional Fast Track programs. A Fast Track program at DSU provides a unique opportunity for high achieving undergraduate students to obtain both a Bachelors and a Master's degree in a shortened timeframe. This is accomplished by allowing these students to take selected graduate courses during their senior year. These courses will also count towards their undergraduate course requirements thereby accelerating completion of a graduate program.

The new accelerated Fast Track programs are BBA Business Technology to MS Information Systems, BS Network & Security Administration to MS Information Systems and BBA to MBA. Other Fast Track programs in the College of BIS that began earlier are BS Computer Information Systems to MS Analytics or MS Information Systems and BS Health Information Administration to MS Health Informatics and Information Management.

https://catalog.dsu.edu/preview_program.php?catoid=31&poid=2265

Articulation Agreements

Articulation agreements are designed to build strong partnerships and coordination between schools to aid in a smooth transition for students utilizing a formalized pathway for student transfer. By identifying comparable coursework, degree requirements can be met at one institution and transferred to another institution. Articulation agreements ensure that students understand exactly which courses will and will not transfer.

College of BIS administration and faculty worked to develop a number of articulation agreements during the Spring semester to allow ease of transfer to DSU's programs for students who have completed associate degrees at identified schools.

Current articulation agreements that have been approved and signed are:

- » Lake Area Technical College
 - Business Accounting to BBA
 - Consumer and Agri Financial to BBA
 - Human Resources to BBA
 - Management/Marketing to BBA
- » Minnesota State Community and Technical College
 - Health Information Technology/Coding to BS Health Information Administration
- » Minnesota West Community and Technical College
 - Health Information Technology to BS Health Information Administration
- » Mitchell Technical College
 - Business Management to BBA
 - Accounting to BBA Accounting
- » North Dakota State College of Science
 - Health Information Technician to BS Health Information Management
- » Southeast Technical College
 - Business Administration to BBA
 - Accounting to BBA Accounting



STUDENT NEWS

Research

DSU's Research Symposium included a virtual poster session that featured short presentations using Zoom on Tuesday, March 23rd. Our undergraduate and graduate students presented the work they have been doing with the careful faculty guidance and mentorship.

College of BIS undergraduate student, Brandon Van Rosendale, a Computer Information Systems Business Analytics major, presented on his research topic: "Analyzing Relationships Between Personality, Job Matching, Wages, and Life Satisfaction". His research mentor was Dr. Rob Girtz, Assistant Professor of Business and Economics.

There were a number of graduate students in the College of BIS presenting their research work.

- » A MODERN SKILLS-BASED FRAMEWORK FOR INFORMED CURRICULUM DESIGN. Student Researcher: Alicia McNett, PhD student in Information Systems, Faculty Mentor: Dr. Cherie Noteboom, Associate Professor of Management Information Systems
- » EMPATHIZING WITH MHEALTH APP USERS IN APPLICATION DESIGN: EARLY STAGE PERSONA DEVELOPMENT THROUGH SOCIAL MEDIA DATA MINING. Student Researcher: Martinson Q. Ofori, Ph.D. student in Information Systems, Faculty Mentor: Dr. Omar El-Gayar, Professor of Information Systems
- » UPPER ECHELONS SOCIAL MEDIA EFFORT AND FIRM OUTCOMES – SYSTEMATIC LITERATURE REVIEW. Student Researcher: Giridhar Bojja, Ph.D. student in Information Systems, Faculty Mentor: Dr. Jun Liu, Associate Professor of Information Systems
- » IMPACT OF DATA CHARACTERISTICS ON THE EFFECTIVENESS OF MULTI-STAGE TRANSFER LEARNING USING MRI MEDICAL IMAGES. Student Researcher: Ganga Prasad Basyal, Ph.D. student in Information Systems, Faculty Mentor: Dr. David Zeng, Assistant Research Professor of Information Systems
- » DESIGN INSIGHTS FOR SELF-MANAGEMENT MOBILE APPLICATIONS USING TEXT MINING: A MULTIPLE SCLEROSIS CASE STUDY. Student Researcher: Loknath Sai Ambati, Ph.D. student in Information Systems, Faculty Mentor: Dr. Omar El Gayar, Professor of Information Systems, and Dr. Nevine Nawar, Senior Lecturer of Biology
- » MODERN SOLUTION TO DATA PRIVACY ASSESSMENTS. Student Researcher: Lisa McKee, Ph.D. student in Information Systems, Faculty Mentor: Dr. Kevin Streff, Professor of Information Assurance
- » FEASIBILITY STUDY IN IMPLEMENTATION OF PHYSICS-BASED TRANSFER LEARNING IN SPACE EXPLORATION. Student Researcher: Olga Perera, Ph.D. student in Information Systems, Faculty Mentor: Dr. Omar El Gayar, Professor of Information Systems
- » HOW BIG DATA AND DEEP LEARNING CAN BE USED FOR FUTURE DISEASE PREDICTION. Student Researcher: Richard Manprasio, Ph.D. student in Information Systems, Faculty Mentor: Dr. Cherie Noteboom, Associate Professor of Management Information Systems
- » TOWARDS EFFICIENT MULTI-CLOUD OBSERVABILITY FRAMEWORK OF CONTAINERIZED MICROSERVICES IN KUBERNETES PLATFORM. Student Researcher: Haytham Mohamed, Ph.D. student in Information Systems, Faculty Mentor: Dr. Omar El-Gayar, Professor of Information Systems

THE COLLEGE OF BUSINESS AND INFORMATION SYSTEMS NEWSLETTER

Student News

Entrepreneurship Day

On Saturday April 10th, DSU's 1st Entrepreneurship Day event was held at the Paulson Cyber Incubator and Entrepreneurial Center at Dakota State. Attendees heard talks from Mona Lisa Perez and Tyler Blake of Wake Clothing, Blaine Crissman, a founding partner with South Dakota Equity Partners (SDEP) and Matt Paulson, founder of MarketBeat. Paulson is a College of BIS alumni.

Entrepreneurs Day coincided with the culmination of DSU's 3rd annual business plan competition. The competition is put on by the College of Business and Information Systems and the CEO Club. This year's sponsors include Heartland Consumers Power District, Lake Area Improvement Corporation (LAIC), DSU's Research and Economic Development Office. All submissions were evaluated by external judges for selection of finalists, and we'd like to thank Brienne Maner with the Zeal Center for Entrepreneurship, Nikkee Rhody with Falls Fintech, and Eric Fosheim with the Lake Area Investment Corporation for their service. The finalists for the high school and college pitch competitions presented their pitches in person for judging by Matt Paulson, Matt Willard from Augustana University, and Trent Sorbe, CEO and co-founder of Falls FinTech. We would also like to thank them for participating in this competition.

Awards were presented, with first place in each division paying \$1,000; second place paying \$500 and third place paying \$250.



Winners in the high school division were: Megan Nash, Northwestern High School, 1st place for Busy Bees; Cloie Stevens, Marshall (MN) High School, 2nd place for Farmer's Market Friend; and Dawson Johnson, Brandon Valley High

School 3rd place for Sound Premium, LLC. Collegiate winners were: Kim Yip Chiok, SD School of Mines and Technology, 1st place for BioTape; Le Ba Nghia Thai (and team), SD School of Mines and Technology, 2nd place for Chi-X; and Kruttika Sutrave, Dakota State University, 3rd place for Perfect Outfit.

The speakers and pitches can be viewed on DSU's YouTube Channel.

<https://www.keloland.com/news/local-news/dsu-hosts-first-entrepreneur-day/>

<https://dsu.edu/news/2021/04/entrepreneurs-day-winners.html>

Invent to Innovate

Each spring the University of South Dakota hosts "Invent to Innovate". DSU Student Krutikka Sutrave (Ph.D Information Systems) was selected as a finalist for that competition. The i2i Business Model Competition offers university and high school students the chance to win funding for their business ideas. The competition

assists aspiring entrepreneurs in the new approach to launching companies, will help them become a more successful entrepreneur and decrease the time it takes for them to reach that success.

World Languages Club

The World Languages Club provided free candies from around the globe on campus in April. Areas the candies are from include Eastern Asian countries, Eastern European countries, and Hispanic countries. Andrew Behrens, a faculty member in the College of BIS, has been an advisor for the club.



THE COLLEGE OF BUSINESS AND INFORMATION SYSTEMS

NEWSLETTER

Student News

Phi Beta Lambda (PBL) Business Club

Due to the continued Covid-19 restrictions in place for larger events, the regional PBL Spring leadership conference was held virtually, again, for Spring 2021. For those who are confused, South Dakota no longer has a state PBL conference and Iowa is kind enough to allow us to attend and compete at their 2021 Spring Leadership Conference. Ten DSU PBL members competed in 17 different events that are ranging from business related subjects to computer and cyber related subjects. It is truly a talent show that nine students were placed top 3 in most of the events they competed in.

The results for the nine students who competed and saw major success are as follows:

Jacia Christiansen – 1st in Entrepreneurship concepts, 1st in Personal Finance, and 2nd place in Information management.

Ryan Morganti – 1st in Computer concepts, 1st in Cyber security, and 1st in Networking concepts

Graham Petersen – 1st in Justice administration, 1st place in Globally analysis and decision making, and 2nd in Cyber security.

AJ Schoenfelder – 1st in Project management, and 2nd in Statistical analysis, and 3rd place in contemporary sport issues.

Caleb Nielsen – 1st in Information management, 1st place in Management concepts, and 2nd in Project Management.

Nathan Roets – 1st in Insurance concepts, and 3rd in Personal finance.

Madeline Smith – 1st in Marketing concept, 2nd in Macroeconomics, and 3rd in Microeconomics.

Ben Batie – 2nd in Programming concepts, and 4th in Microeconomics.

Taylor Myers – 1st in Programming concepts.

Every member who competed qualified to compete at the National Leadership Conference in June. In addition to competing, the students who attended had the opportunity to attend online workshops and network with other members on ZOOM. Overall, the record was meant to be shattered each year by the outstanding DSU PBL members. We look forward to the virtual national leadership conference experience in June 2021.

PBL members met for an end-of-the-year party where they recognized the three grand prize winners of their Investment Game Challenge. They are: Madelin Smith - Biggest Losses (or least amount of gains); Ryan Morganti - Most Trades; and Ernst Stephan Bateman- Highest Gains and Highest Sharpe Ratio.



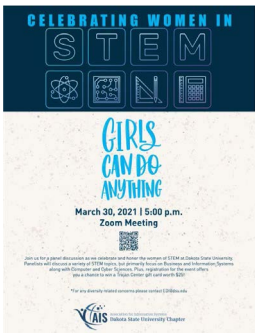
THE COLLEGE OF BUSINESS AND INFORMATION SYSTEMS NEWSLETTER

Student News

AIS Student Chapter

With the start of a new decade at Dakota State University, the DSU student chapter of the AIS Club has made it a priority to raise campus awareness about the opportunities of information systems (IS) as a career. Not only does the club make it a priority to raise awareness of information systems to all students, but the members also prioritize helping students acquire new skills within the IS industry. The goal of our club is to help students build their innovation and problem-solving skills by applying classroom knowledge in real-world situations. This includes getting students involved in panel presentations, workshops, and competitions.

While the impact of COVID-19 still limited on-campus activities throughout the Spring semester of 2021, all the club officers were able to adapt to these limitations and successfully conduct two major virtual panel events.



Women in STEM, the first event from the AIS club, had a panel of women who shared their experiences within their STEM-related fields, empowering students of all age groups with their words of wisdom as well as addressing

solutions to problems that may limit diversity in STEM. Panelists included a DSU doctoral student, Kanti Narukonda, and DSU faculty members, Dr. Ashley Podhradsky, Dr. Renea Spohn, and Dr. Cherie Noteboom. AIS members Kruttika Sutrave and Tara Burton, served as the moderators.

In addition to this presentation, one of our club officers, Brandon VanRosendale, hosted a virtual workshop for students interested in learning Tableau. With Tableau increasing in popularity with business intelligence and data analytics, it is important for students who have an interest in IS to improve their skill sets with this software. By utilizing Tableau effectively, it will give students who are interested in IS a head start in their future courses or career path.



As Spring comes to a close, the AIS club has many goals for the upcoming Fall semester. Because the club wants to increase problem solving and innovation skills for all students, one of the priorities is to host competitions during the Fall. This includes online Kaggle competitions and collaborative on-campus competitions with other clubs.

DSU Honors Reception

The DSU Honors Reception was held on April 20th to recognize a number of students and faculty for their accomplishments and achievements.

The Phi Beta Lambda Business Club was awarded the Academic Excellence Regental Award for their goals to promote career preparation, leadership development, and academic excellence. These awards are presented by the South Dakota Board of Regents to student organizations to recognize meritorious efforts and achievements in Academic Excellence, Community Service, and Organizational Leadership.



The V.A. Lowry Scholar honoree from the College of BIS is John Berryhill. This award is based on the student's scholarly involvement and leadership in their program of study. It is named for V.A. Lowry, who was president of DSU from 1933-1962. He devoted much of his life to creating an environment of academic excellence at this university.

THE COLLEGE OF BUSINESS AND INFORMATION SYSTEMS

NEWSLETTER

Student News

College Student Leaders for 2020-2021 from the College of BIS include Jacia Christiansen and Kruttika Sutrave. Jacia is a undergraduate student in the professional accountancy program and Kruttika is seeking a PhD in Information Systems degree with the analytic specialization. A Campus Student Leader award was presented to Elizabeth Olson, a business administration management student. These awards honor students in good academic standing who demonstrate outstanding leadership.

A College of BIS student received a Student Employee of the Year award. Kanthi Narukonda was named Graduate Assistant of the Year. She was also present to accept the SD Board of Regents award for Community Service on behalf of CybHER.

Other College of BIS students honored during this event were:

Center of Excellence in Computer Information Systems

- » Erica Anderson (business administration accounting)
- » Tavyn Hallan (professional accountancy)
- » Joshua Wright (computer information systems application development)
- » Gregory Engbrecht (professional accountancy)
- » Kayla Mentele (business administration finance and marketing)
- » Amerudin Mohammed (business administration management)
- » AJ Schoenfelder (analytics)

Graduates must maintain a minimum 3.2 grade point average and complete the Center of Excellence Minor, which includes a major field capstone experience.

Delta Mu Delta

- » Amanda Eulberg (business administration finance)
- » Marissa Fick (business administration management)
- » Catherine Garvin (business administration management)
- » Johnathan Randall (business administration finance and business technology)

A national honor society for students majoring in business administration. It was established to recognize and reward

superior scholastic achievement of business majors. To be eligible for admission, a student must have a cumulative grade point average of at least 3.25.

General Beadle Honors

- » Grant Carlson (information systems general specialization)

The program originated at DSU in 2013 to challenge outstanding students and stress broad intellectual development. The program is open to students from all colleges and majors. To graduate as a General Beadle Honors Scholar, students must complete 28 or more credit hours of honors coursework, which includes an honors capstone project, and have a cumulative GPA of 3.2 or higher.

Kappa Sigma Iota

- » Marissa Fick (business administration management)
- » Bridgett Fanger (health information administration)

An honorary society established by President E. C. Higbie to “promote, secure and maintain a high level of professional fellowship.” To be a member of this prestigious organization, a student must have a 3.5 grade point average and must be elected by the current members of the society.

Delta Mu Delta

DSU Delta Mu Delta inducted six DSU business students at its Spring 2021 induction ceremony on April 30th. They are Stephanie Riggle, John Berryhill, Blaine Humann, Solomon Shahan, Carrie Kickland, and Alexis Robson.

DSU students who have earned a GPA of 3.2 or higher are invited to join the Delta Mu Delta. Delta Mu Delta is a business honor society that recognizes and encourages academic excellence of students at qualifying colleges and universities to create a DMD community that fosters the well-being of its individual members and the business community through life-time membership.



THE COLLEGE OF BUSINESS AND INFORMATION SYSTEMS

NEWSLETTER

Academic Honors List

Congratulations to the College of BIS students on the Spring 2021 President's Academic Honor List! The complete list of 697 students is found on the DSU website.

<http://ow.ly/oQ3h50F1Gs7>

Commencement

Saturday, May 8th was an important day for several of the BIS students as they became graduates during the commencement ceremony. The commencement ceremonies recognize graduate applicants for Spring 2021 and Summer 2021. For the first time, there were two separate ceremonies with BIS students participating in the afternoon event along with students from the College of Arts and Sciences and the College of Education. The students from The Beacom College of Computer and Cyber Sciences had a ceremony earlier in the day. The hooding ceremony of the graduate students from all colleges was held in the time between the two commencement ceremonies.



Dr. Dorine Bennett, Dean of the College of BIS was honored to serve as the mace-bearer during the afternoon ceremony, carrying the ceremonial mace leading the way for the processional and recession. The tradition of the mace derives from medieval times in England, when the mace was held by a bodyguard for dignitaries at ceremonial functions.

The College of BIS had four candidates for PhD in Information Systems degrees listed on the program:

- » Diaa Faisal Abu-Shaqra; dissertation topic: "A VSM-Based Back Office Security Support System (BOSS)"; dissertation committee chair: Dr. Omar El-Gayar
- » Erasmus Ekpo Etim; dissertation topic: "Exploring the Role of High-Power Distance in Information Security Policy Compliance Considering Other Behavior Influencing Variables"; dissertation committee chair: Dr. Kevin Streff

- » Thomas Michael Jernejcic; dissertation topic: "The Role of Privacy within the Realm of Healthcare Wearables' Acceptance and Use"; dissertation committee chair: Dr. Omar El-Gayar
- » Srinivasulu Reddy Vuggumudi; dissertation topic: "A False Sense of Security—organizations need a paradigm shift on protecting themselves against APTs"; dissertation chair: Dr. Yong Wang

In addition, the commencement program listed students seeking master's degrees. The MBA program had 6 students, the MS in Analytics program had 29 students, the MS in Health Informatics and Information Management had 2 students, and the MS in Information Systems had 11 students.

BIS graduates listed on the commencement program also included 59 baccalaureate degree and 10 associate degree students. Those graduating with honors included:

- » Summa Cum Laude (3.9 or above): Bridgette Anne Fanger, Marissa M. Fick, Jacob Hult, Kayla Jae Mentele, and Elizabeth Marie Olson
- » Magna Cum Laude (3.7 to less than 3.9): Christopher R. Archer, Theodore David Bergmann, John Michael Berryhill, Kristen Renee Dowling, Gregory Allen Engbrecht, and Tavyn Cole Hallan
- » Cum Laude (3.5 to less than 3.7): Brady Robert Elder, Amerudin Yassin Mohammed, Johnathan Vincent Randall, and Alexis Elizabeth Robson
- » With Highest Honor (3.9 or above): Christine Vogel
- » With High Honor (3.7 to less than 3.9): Cylie Lea Hanson

Commencement program:

<https://dsu.edu/commencement/files/spring-commencement-program.pdf>

Commencement live stream:

<https://dsu.edu/commencement/schedule.html>

FACULTY NEWS

Cyberology

Dakota State University is excited to announce Cyberology! This is a monthly podcast about all things cyber and technology. Each episode will feature conversations with innovative, awe-inspiring, and expert members of the DSU Trojan family. Dr. Jack Walters, a professor in the College of BIS, will be a guest on Cyberology in July, speaking on the topic of the social and economic impacts of AI. You can read the transcripts on the Cyberology page and listen as well! Cyberology is also available on a variety of apps like Apple and Spotify

Accounting Workshops

The DSU Office of Research and Economic Development sponsored two workshops related to accounting for academic researchers and entrepreneurs. These workshops were taught by Assistant Professor Scott Morstad of the College of BIS, and they were titled “Do you really understand business expenses?” and “What are financial statements really telling you?”

Research Presentations

Renae Spohn PhD, Director of HIM Programs/Coordinator of the MSHIM Program presented her dissertation poster in DSU’s Virtual Research Symposium 2021 and in USD’s Virtual IdeaFest 2021. Her topic was “Factors Associated with Successfully Passing Certification Exams”.

At DSU’s Virtual Research Symposium 2021, Andrew Behrens, Instructor of Information Systems, presented research that he did with graduate student researcher, Ganga Basyal. Their topic was “Predicting Elderly Emergency Department Readmission to the Hospital: A Machine Learning Tool”.

CTE Academy of Finance

DSU Professor Emeritus, Lynette Gorder, spoke about Excel spreadsheets to the students in the Accounting I class at the CTE Academy of Finance (AOF) at the CTE Academy in Sioux Falls, SD. We appreciate these opportunities to share our expertise with students in the K-12 school systems.

Professional Association Activities

Julie Wulf Plimpton, Patti Brooks and Renae Spohn attended the SDHIMSS Spring HIT Forum. Patti Brooks chairs the SDHIMSS Program Committee and Julie Wulf Plimpton serves on the committee. The SDHIMSS Spring HIT Forum was held on April 20, 21, and 22 virtually for two hours each day. Topics from national speakers included: When Hactivists Target Your Hospital; Cybersecurity and Privacy - Navigating the Evolving Cyber Risks; FHIR, Interoperability, and Patient Access: A Look Ahead; Human Interoperability: Methods to Integrate HIE for Optimizing Clinical Workflows; IT in Mergers and Acquisitions; and Medication Risk Management: A Key Component of the Value-Based Telehealth Model. The topics are as varied as the members! The National HIMSS organization includes over 100,000 physicians, pharmacists, nurses and other clinical staff, health informaticists, HIM professionals, IT staff, vendors, and others leading and transforming the health ecosystem through information and technology.

Renae Spohn virtually attended the Consortium of Baccalaureate and Graduate Health Informatics and Health Information Management Educators annual meeting.

Julie Wulf Plimpton and Patti Brooks presented via zoom at the February SDHIMSS lunch and learn series. The topic was “The Benefits of Being a HIMSS Member”.

Research Proposals

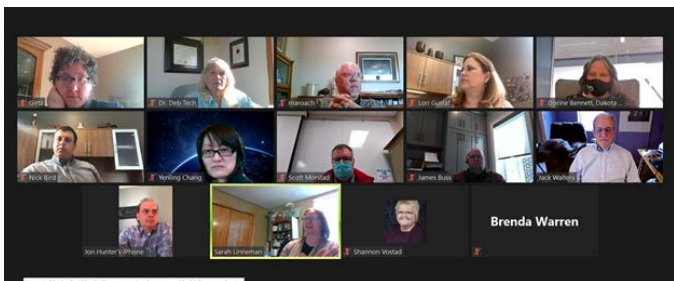
Julie Wulf Plimpton, Patti Brooks, and Renae Spohn submitted a \$1M proposal to the National Science Foundation to create an HIM-STEM scholarship program for students with excellent GPA’s and an unmet financial need in the associate, bachelors and masters’ degree programs. If awarded, three program improvements will be implemented as a part of the research component of the proposal.

Dr. Dan Talley has been working with other DSU faculty and faculty from two other higher education institutions (Dordt University and Santa Fe Community College) to form a research consortium to examine the economic opportunities and implications of the growing field of aquaponics (crops grown in recirculating water) and advances in artificial intelligence-based control systems and automation. The research group submitted a NSF grant proposal for EPSCoR Tier 2 funding for 2021. Dr. Talley has agreed to be the DSU Lead and DSU co-PI.

PROGRAM NEWS

Advisory Board

In April, the Business Advisory Board held their meeting via Zoom. There was some very good discussion, and we really appreciate the input and feedback from professionals in the field to help ensure our programs are the best they can be! Thank you to all the people who participated!



Program Promotion

Renae Spohn, PhD, Director of HIM Programs participated in SDHOSA staff the HIM booth to provide education about the Health Information Management profession and the programs at DSU to high school students. She created an activity modeled after escape booths where students were challenged to complete the activity in two minutes to win a prize.



In response to the COVID-19 pandemic, DSU and many other



scrubs camp sites decided to replace the 2020-2021 face to face Scrubs Camp with a virtual camp.

With over 800 in participation students had the option to choose their own date and career topics. All modules were made interactive.

DSU Giving Day

The faculty and staff of the College of Business and Information Systems recognizes the importance of scholarships to positively impact our students, and participated in the DSU Giving Day fundraiser event on April 21st. DSU Giving Day is Dakota State University's 24-hour giving campaign that inspires alumni, students, friends, faculty and staff, and supporters to Rise UP together to provide essential funding to support current and future students. During this event, we were pleased to raise \$5,620! The generous support of alumni and friends helps to provide scholarships to recruit and retain students so they can work toward a bright future for themselves. All gifts, large or small, to the College of Business and Information Systems are appreciated. We are looking forward to the next DSU Giving Day in Fall 2021.

2021 Longevity Reception

Dakota State University recognized 51 employees and five retirees for a combined 635 years of service to the state of South Dakota on Wednesday, April 21. Due to ongoing COVID precautions it was held as a hybrid event.

Longevity awards were given to 5, 10, 15, 20, 25, 30, and 35+ year employees. Several of these employees were staff and faculty for the College of BIS:

- » Recognized for five years of service was Brenda Warren.
- » Recognized for 10 years of service were Linda Parks and Renae Spohn.
- » Recognized for 15 years of service was Jack Walters.
- » Recognized for 20 years of service was Omar El-Gayar.
- » Recognized for 30 years of service was Jim McKeown.

In addition, retirees were recognized for their years of service, including Linda Parks, Associate Professor of Health Management in the College of BIS.

BIS IN THE NEWS

HIM Journey

Dr. Renae Spohn was featured in a DSU article "[Renae Spohn's DSU Journey](#)". She speaks about what the HIM program has to offer along with her experience in the field. Dr. Spohn has been a valued part of the DSU community since 1980 and continues to support the growing programs.

Choosing a PhD in Information Systems

A PhD in Information Systems can help you utilize data to drive your career. Online student Kalee Crandall is currently earning her PhD in IS to help impact the way technology is designed for non-technical fields like school counseling in the future. Read more about her journey. <https://dsu.edu/news/2021/03/advance-your-career-phdis.html>

Artificial Intelligence

Dr. David Zeng was interviewed for an Argus Leader newspaper article about artificial intelligence education at South Dakota's universities. "Society will change fundamentally in the coming years in terms of jobs, skills and how people will interact," said Zeng, an assistant research professor of information systems at Dakota State University. <https://www.argusleader.com/story/news/education/2021/04/16/ai-artificial-intelligence-university-south-dakota-usd-dsu-mines-pushing-more-education/7112385002/?gnt-cfr=1>

MBA Program

Dr. Jack Walters and MBA student Mariah Palmquest were featured in the [Sioux Falls Business](#) article about DSU's MBA programs. As explained in the article, the MBA program at DSU gives students edge in the business world. In addition to information systems, the 36-credit hour program also offers emphases in the areas of analytics, health care informatics, nonprofit leadership, sports leadership and supply chain management. These emphases and the overarching curriculum of the MBA program provide students with opportunities to advance their careers and gain additional perspectives that are related to their current work or work they may want to do in the future.

Assistive Technology Device Patent

With the help of CIS professor Dr. Chris Olson, DSU was granted its first patent. Dr. Justin Blessinger was granted a provisional patent for an assistive technology device. You can read more about this advance in the [DSU News](#). Dr. Olson was also featured by Keloland news for his involvement in the process. "[Device aimed at helping people who use powered wheelchairs and scooters](#)". Dr. Justin Blessinger and Dr. Chris Olson also spoke about the provisional patent on the assistive technology Power Block on [@SoDakPB](#).

Financial Literacy

Dr. Yenling Chang and Dr. Dan Talley contributed to an article about financial literacy. Dr. Chang said that financial literacy is important and people should know a thing or two about it. She also stressed the importance of taking good control of our finances and having emergency funds. Dr. Talley also explained that good credit is another important component to financial literacy. Read more about their financial literacy advice at <https://pigeon605.com/financial-literacy-important-for-difficult-times/>

Alumna Success

Tamara Deutz is the Partner in Training for Hoffman & Brobst, PLLP, where she continues to serve her clients while taking on an active role with several management aspects of the firm. To learn more about her career visit <http://ow.ly/oyiQ50DBWNX>

Online Journey

Health Information Administration student from the College of Business and Information Systems Danielle Stevens appreciates the flexibility and cost-effectiveness of earning a degree online. Read more about her story at <https://dsu.edu/news/2021/05/online-programming-ed-journey.html>

Dakota State BIS student Marissa Fick started her journey at DSU on-campus before becoming an online student. Fick appreciates that Dakota State allows online students to participate in activities and organizations just like on-campus students. Learn more about her DSU experience at <http://ow.ly/DvYCS0EEwK2>

THE COLLEGE OF BUSINESS AND INFORMATION SYSTEMS

NEWSLETTER

Top Rankings

[Study.com](https://study.com/.../best_online_masters_degrees_in...) has published its 2021 rankings, and Dakota State University has been ranked #1 on their list Best Online Master's Degrees in Health Informatics! https://study.com/.../best_online_masters_degrees_in...

[Study.com](#) has ranked DSU in the top 50 on their list Best Online Bachelor's Degrees in [Business Management](#).

Dakota State University has been ranked #15 on a list of [Best Online Bachelor Degree Programs in Accounting](#)

The Computer Information Systems (CIS) program was ranked on this Best Online Computer Engineering Degree Programs page at <https://www.bestvalueschools.org/online-computer.../>.

Best Master's Degrees in Management Information Systems <https://www.bestvalueschools.org/masters-degree-in-management-information-systems/>.

Dakota State University has earned top placements in numerous rankings this year.

10th in [Best Value Accounting Bachelor's Degree Schools in the Plains States Region](#)

28th in [Best Value Accounting Bachelor's Degree Schools](#)

31st in [Best Value Finance & Financial Management Bachelor's Degree Schools](#)

62nd in [Best Value Finance & Financial Management Schools](#)

163rd in [Best Value Accounting Schools](#)



THE COLLEGE OF BUSINESS AND INFORMATION SYSTEMS

NEWSLETTER



PROGRAM CURRICULUM

DSU Catalog

catalog.dsu.edu/

Curriculum Changes

public-info.dsu.edu/curriculum/

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ACCREDITATION OR APPROVAL

The College of Business and Information Systems offers programs that have been accredited or approved by meeting national standards.

